

PADMIL KHANDELWAL

(646) 207-3693 | khadelwalpadmil@gmail.com | Pittsburgh, PA
LinkedIn | GitHub | Tableau | Portfolio

SUMMARY

An IBM certified business analyst with 2+ years of experience in software engineering and data analytics. Worked on the development & launch of a business intelligence product that generates cognitive insights by analyzing terabytes of data to make data-driven decisions. Licensed scrum product owner with experience in leading a cross-functional team to successfully deploy B2B SaaS product.

EDUCATION

Carnegie Mellon University, USA

Dec 2020

Master's in Information Systems Management (GPA 3.77/4)

- **Courses:** HCI for Tech Executive, Lean Entrepreneurship, Agile Methods, Statistics, Software Engineering for AI-enabled systems, Applied Data Science, Big Data and Data Science, Distributed Systems, Principles of Finance
- **Student Consultant :** Kearney , **Teaching Assistant:** Information Systems Consulting

University of Petroleum and Energy Studies, India

June 2017

Bachelor's in Computer Science

PROFESSIONAL EXPERIENCE

School of Computer Science, CMU | Product Manager (Research Assistant), USA

Sep 2020 – Present

- Design a product roadmap and wireframes to create a monitoring dashboard in React for an Azure cloud-based course infrastructure
- Create MVP by identifying platform/infrastructure alternatives by considering tradeoffs among usefulness, cost, maintainability

IBM | Cognitive Engineer Senior Consultant (Data Scientist) Intern, USA

June 2020 – Aug 2020

- Conducted requirement & scope analysis with the client to create a web application to scrape authenticated websites that uses IBM Watson to handle more than 100,000 searches per week by replacing the on-premise Enterprise Search engine and delivered in 4 weeks
- Developed a propensity model to predict if customers will default on a bill using Random Forest Classifier with 93% accuracy
- Implemented a Service Orchestration Engine that initiates Asynchronous chats with high-risk customers for financial assistance through using Watson Assistant + NLU with a potential to save > \$500,000 in uncollectible receivables

Larsen & Toubro Infotech Ltd | Software Engineer Full Stack, India

July 2017 - June 2019

- Worked with the product owner & stakeholders to develop features for the SaaS product that aims to create a highly scalable web application that generates cognitive insights for data-driven decision by analyzing terabytes of data
- Led a team of 5 in sprints and implemented a business intelligence feature using D3 on Angular; querying Spark RDDs with Java to create dashboards & reports to monitor KPIs; resulting in an increase of time spent on a product by 150%
- Gathered UI/UX feedback from recruited customers on wireframes with the design team to improve customer experience and personas

Incredible Technologies Pvt Ltd | Business Intelligence Intern, India

June 2016 – July 2016

- Automated forecasting of eCommerce firm's sales target by time series analysis for prediction (ARIMA) for teams across 4 cities based on metrics like Revenue per agent, sell-through rate with R, cutting down reporting time by 85%
- Devised a Standard Operating Procedure (SOP) to find an ideal location for the product's franchise model by analyzing purchase patterns, inventory, Customer Lifetime Value, NPS, Predicting an ROI for a test run, with ~72% accuracy

RESEARCH PROJECTS

Movie Recommendation service for a movie streaming data

Ongoing

- Implementing a movie recommendation service by creating a machine learning CI/CD pipeline for automatic retraining with feedback loops to measure accuracy, drift, telemetry on a live Kafka stream with 1 million with an aim for 98% availability

Song Recommendation Engine using Lyrics

May 2020

- A created content-based recommendation engine that uses Topic Modelling (LDA) on song lyrics of one million songs using nltk to create user profiles and predict what songs the user will listen to; resulted in an accuracy of 81%

LEADERSHIP AND AWARDS

- Certified Cloud Practitioner, AWS
- Licensed Scrum Product Owner, Scrum Inc
- Certified Business Analytics Specialist, IBM
- Semi-Finalist - Google Online Marketing Challenge, Google

Aug 2020

May 2020

May 2017

May 2015

SKILLS

Analytics: Python (Numpy, Pandas, Scikit, Colab), Tableau, PowerBI, MS Excel, Google Analytics, Google Data Studio

Languages: Python, Java, JavaScript, Typescript

Cloud and DevOps: AWS, Google Cloud, IBM Cloud, Cloud Foundry, Docker, Kubernetes, SAP Hana XSA

Web Technologies Programming and Tools: Angular, Node.js, React, Express.js, HTML5/CSS, Flask, Django

Databases: SQL (OracleSQL, MySQL, PostgreSQL, DB2), NoSQL(MongoDB, Cassandra, Neo4j), Bigdata(Spark, Kafka, Pig)

Functional Skills: Agile Development, Lean Product Management, Wireframing, Data Analytics, Consulting